

## UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents  
Washington, D.C. 20231  
BOX PATENT APPLICATIONCustomer No.: 23696  
Attorney Docket No.: PA010487  
Date: September 25, 2001  
Express Mail Label No.: ET100741946US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Smee, et al.

For: METHOD AND APPARATUS FOR VARYING THE LENGTH OF AN ADAPTIVE  
EQUALIZER BASED ON DOPPLER FREQUENCY.

Enclosed are:

1. ☒ Patent application (31) total pages.
2. ☒ Drawings: ☒ Formal (5) sheet(s) or ☐ Informal ( ) sheet(s).
3. ☒ Declaration/Power of Attorney: ☐ Signed ☒ Unsigned
4. ☐ This application claims priority from Application Serial No. , Filed , Status .
5. ☐ An Assignment ( ) pages and Recordation Form Cover Sheet.
6. ☐ A Preliminary Amendment ( ) pages.
7. ☐ Information Disclosure Statement (IDS):
  - a. ☐ PTO-1449
  - b. ☐ Copies of IDS Citations (number of citations: )
8. ☐ Other:

| CLAIMS:   | (a) Filed | (b) Extra Claims | Large Entity Fee | Fee Paid  |
|---|-----------|------------------|------------------|-----------|
| Total*  | 33 - 20   | 13               | x \$18 =         | \$234.00  |
| Independent**   | 4 - 3     | 1                | x \$80 =         | \$80.00   |
| Multiple Dependent Claim(s): <input type="checkbox"/> No <input type="checkbox"/> Yes |           |                  | \$270            | \$        |
| APPLICATION FILING FEE  |           |                  | \$710            | \$710.00  |
|   |           |                  | TOTAL FEE        | \$1024.00 |

\*If the number in column a is less than 20, enter 0 in column b.

\*\*If the number in column b is less than 3, enter 0 in column b.

8. ☐ A check in the amount of \$\_\_\_\_\_ is enclosed to pay the filing fee.
9. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1024.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: September 25, 2001Signature: Kent BakerKent D. Baker, Reg. No. 38,822  
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San Diego, California 92121-1714  
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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of )  
Smee, et al. ) For: Method and Apparatus for Varying  
Serial No. Unknown ) The Length of an Adaptive Equalizer  
Filed: Herewith ) Based on Doppler Frequency  
Group Art Unit: Unknown

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

Asst. Commissioner of Patents  
BOX PATENT APPLICATIONS  
Washington, D.C. 20231

Dear Sir:

"Express Mail" mailing label No. ET100741946US  
Date of Deposit SEPTEMBER 25, 2001

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

**PATENT APPLICATION IN 31 PAGES; TRANSMITTAL LETTER IN  
DUPLICATE; 5 SHEETS OF FORMAL DRAWINGS; UNSIGNED  
DECLARATION/POWER OF ATTORNEY; AND POSTCARD**

Kayla R. Seignious

Kayla R. Seignious  
(Name)  
(Signature)

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